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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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09/212,852 12/16/98 DALAL

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023990 WM01/0605
NOVAKOV, DAVIS & MUNCK, P.C.
900 THREE GALLERIA TOWER
13155 NOEL ROAD
DALLAS TX 75240

EXAMINER

VANDERPUE, K

ART UNIT

PAPER NUMBER

2661

DATE MAILED:

06/05/01

3

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Office Action Summary

Application No.

09/22, 852

Applicant(s)

DALAL

Examiner

VANDERPUYE

Group Art Unit

2661

—The MAILING DATE of this communication appears on the cover sheet beneath the correspondence address—

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, such period shall, by default, expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).

Status

- ☐ Responsive to communication(s) filed on _____.
- ☐ This action is **FINAL**.
- ☐ Since this application is in condition for allowance except for formal matters, **prosecution as to the merits is closed** in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

Disposition of Claims

- ☒ Claim(s) 1-20 is/are pending in the application.
- Of the above claim(s) _____ is/are withdrawn from consideration.
- ☐ Claim(s) _____ is/are allowed.
- ☒ Claim(s) 1-20 is/are rejected.
- ☐ Claim(s) _____ is/are objected to.
- ☐ Claim(s) _____ are subject to restriction or election requirement.

Application Papers

- ☐ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.
- ☐ The proposed drawing correction, filed on _____ is ☐ approved ☐ disapproved.
- ☐ The drawing(s) filed on _____ is/are objected to by the Examiner.
- ☐ The specification is objected to by the Examiner.
- ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119 (a)-(d)

- ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).
 - ☐ All ☐ Some* ☐ None of the CERTIFIED copies of the priority documents have been received.
 - ☐ received in Application No. (Series Code/Serial Number) _____.
 - ☐ received in this national stage application from the International Bureau (PCT Rule 1.7.2(a)).

*Certified copies not received: _____

Attachment(s)

- ☐ Information Disclosure Statement(s), PTO-1449, Paper No(s). _____
- ☒ Notice of Reference(s) Cited, PTO-892
- ☒ Notice of Draftsperson's Patent Drawing Review, PTO-948
- ☐ Interview Summary, PTO-413
- ☐ Notice of Informal Patent Application, PTO-152
- ☐ Other _____

Office Action Summary

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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1- are rejected under 35 U.S.C. 102(b) as being anticipated by the admitted prior art(Fig. 2).

With regards to claim 1, the admitted prior art teaches an SDU comprising:

a first controller capable of performing radio dependent functions, wherein said radio dependent functions are related to a transfer of wireless traffic between said plurality of base stations and said plurality of mobile stations(Fig. 2@210); and a second controller disposed apart from said first controller and capable of performing radio independent functions(Fig. 2@144), wherein said radio independent functions are related to a transfer of at least one voice traffic between said CDMA wireless network and a wired network coupled to said CDMA wireless network.

Claim 2 is rejected because the admitted prior art teaches the apparatus in claim 1 wherein said radio dependent functions comprise selection of preferred ones of incoming wireless traffic frames received from said plurality of base stations(Fig. 2@202)

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Claim 3 is rejected because the admitted prior art teaches the apparatus in claim 1, wherein said radio dependent functions comprise controlling a transmission power of a selected one of said plurality of mobile stations(Fig. 2@212)

Claim 4 is rejected because the admitted prior art teaches the apparatus in claim 1, wherein the radio independent functions comprise a decompression of voice traffic from a first bit rate to a second bit rate.(Fig. 2@208)

Claim 5 is rejected for the same reasons as claim 4.

Claim 7 is rejected because the admitted prior art teaches the apparatus set forth in claim 1, wherein said radio independent functions comprise a conversion of data frames received from said base stations to data packets suitable for transmission over a packet data network coupled to said CDMA wireless network(Fig. 2@220).

Claim 8 is rejected because the admitted prior art teaches the apparatus in claim 1, wherein said controller is disposed in one of said plurality of base stations(Fig. 2@144) and said second controller is disposed in a mobile switching center associated with said CDMA wireless network.(Fig. 2@210)

Claim 9 is rejected for the same reasons as claim 1 and in light of the features presented in Fig. 2.

Claims 10-13, 15 are rejected for the same reasons as claims 2-5, 7.

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Claim 16 is rejected because the admitted prior art teaches the use of signaling traffic comprising user generated commands received from a selected one of said plurality of mobile stations.(inherently taught)

Claims 17-20 are rejected for the same reasons as claims 1, 2, 7 because the method steps presented are achievable by apparatus claimed.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 6, 14, 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over the admitted prior art in view of Lu et al(5,887,256).

With regards to claims 6, 14, 19 the admitted prior art fails to teach the a transcoder in the MSC. This is taught by Lu et al(Fig. 2, col. 7 lines 59-62). It would have been obvious to one of ordinary skill in the art to combine Lu with the admitted prior art for the purpose of transcoding circuit data from a first rate to a second rate. The motivation being to make it possible to communicate data over a cellular network .


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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kenneth Vanderpuye whose telephone number is (703) 308-7828. The examiner can normally be reached on M-F from 6:30am to 4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Doug Olms, can be reached on (703) -872-9314. The fax phone number for the organization where this application or proceeding is assigned is (703) 308-9051.



DOUGLAS OLMS
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600


Kenneth Vanderpuye

June 1, 2001